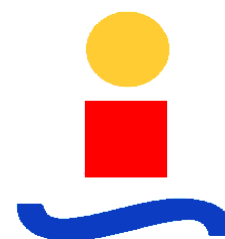




Universidad de Sevilla



Escuela Técnica
Superior de Ingeniería

ACCIÓN REF. 112 - Captación de talento para la docencia de posgrado a través de la participación de colaboradores docentes externos (Curso 2024-2025)

Máster en Sistemas de Energía Eléctrica - Máster en Ingeniería Industrial y Doble Máster en II y SEE

Advanced Seminar on Predictive Maintenance in Electric Motors and Reliability & Fault Detection in Electronic Circuits

Seminar Overview: The rapid advancement in technology has revolutionized the way we monitor and maintain industrial equipment. This advanced seminar is designed to provide participants with cutting-edge knowledge and practical skills in the predictive maintenance and fault detection of electric motors and digital logic circuits. The course encompasses two comprehensive modules, each focusing on critical aspects of non-intrusive monitoring, IoT integration, and the application of machine learning algorithms for predictive error detection.

Seminar Structure and Topics:

- Predictive Fault Detection in Electric Motors, applied to Pumping and HAVAC Systems
Día 27 de marzo, Aula S24, 16:00 h – 18:00 h.
- Reliability & Fault-Tolerance: applications in digital nanotechnology circuits
Día 28 de marzo, Aula 203, 11:00 h – 13:00 h.

Professor: Jorge Filipe Leal Costa Semião

Jorge Filipe Leal Costa Semião is currently Professor Coordenador (Docente Ensino Superior Politécnico) in the Universidade do Algarve, Instituto Superior de Engenharia, Faro (Portugal).

Knowledge fields: Engineering Sciences and Technologies - Electrical, Electronic and Computer Engineering.